



2nd Annual Structural Reliability Partnership Workshop

July 31-August 1, 2018 | NIST, Boulder, CO

Tuesday, July 31, 2018

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| 8:00 – 8:30 | Registration and Check In |
| 8:30 – 9:00 | Welcome and Introductions (30 minutes)
—Frank DelRio, NIST |
| 9:00 – 9:30 | Overview of the SRP (30 minutes)
—Eliot Fang / Jon Zimmerman, Sandia National Laboratories <ul style="list-style-type: none">• Summary of Principles, Vision, and Goals• Overview of FY18 Accomplishments |
| 9:30 – 10:00 | Overview of Challenge Scenarios (30 minutes)
—Brad Boyce, Sandia National Laboratories <ul style="list-style-type: none">• Summary of Challenge Scenario Concept• Overview of Third Sandia Fracture Challenge |
| 10:00 – 10:20 | Break (20 minutes) |
| 10:20 – 11:00 | Additive Manufacturing Challenge Scenario Update (40 minutes)
—Xin Sun, Oak Ridge National Laboratories <ul style="list-style-type: none">• Summary of Scenario• Overview of Calibration and Challenge Experiments• Launch Schedule, Rules for Participation |
| 11:00 – 11:40 | Hydrogen Pipeline Challenge Scenario Update (40 minutes)
—Jevan Furmanski, Exxon Mobil <ul style="list-style-type: none">• Summary of Scenario• Overview of Calibration and Challenge Experiments• Launch Schedule, Rules for Participation |
| 11:40 – 12:20 | Data Management Plan Update / Discussion (40 minutes)
—Mark Horstemeyer, Mississippi State University |
| 12:20 – 1:30 | Lunch (70 minutes) |
| 1:30 – 2:00 | Discussion on SRP Management (30 minutes)
—Brad Boyce, Sandia National Laboratories <ul style="list-style-type: none">• Leadership Structure• Membership Roles and Expectations |
| 2:00 – 3:30 | NIST Tours (90 minutes, 3 groups at 30 minutes/station)
—Frank DelRio, NIST <ul style="list-style-type: none">• Hydrogen Facility• Highbay and Mechanical Testing Facilities |



- 3:30 – 3:50 Break (20 minutes)
- 3:50 – 4:30 Poster Overviews (3 minutes/overview)
- 4:30 – 6:00 Poster Session / Networking Reception

Wednesday, August 1, 2018

- 8:15 – 8:30 Welcome and Overview of Previous Day (15 minutes)
— Frank DelRio, NIST
- 8:30 – 9:10 Technical Deep Dive Presentation #1 (40 minutes)
— Andy Slifka, NIST
- 9:10 – 9:50 Technical Deep Dive Presentation #2 (40 minutes)
— Ashley Spear, University of Utah
- 9:50 – 10:30 Technical Deep Dive Presentation #3 (40 minutes)
— Drew Lancaster, Pratt & Whitney
- 10:30 – 10:50 Break (20 minutes)
- 10:50 – 12:20 Breakout Group Discussions (90 minutes)
— Eliot Fang / Jon Zimmerman, Sandia National Laboratories
 - Additive Manufacturing
 - Hydrogen Pipeline
 - Future Needs / SRP Topic Areas
- 12:20 – 1:30 Lunch (70 minutes)
- 1:30 – 2:30 Breakout Group Report Out / Follow-on Discussion (60 minutes)
— Eliot Fang / Jon Zimmerman, Sandia National Laboratories
 - 10 minutes/group, 30 minutes for discussion
- 2:30 – 3:00 Voting on SRP Management (30 minutes)
— Brad Boyce, Sandia National Laboratories
- 3:00 – 3:30 Actions and Next Steps for SRP (30 minutes)
— Brad Boyce, Sandia National Laboratories
 - Summary of Actions and Next Steps
 - Location of Next Annual Workshop
- 3:30 Adjourn